Journal of MARINE RESEARCH

INDEX

Volume 54, Numbers 1–6, 1996

Sears Foundation for Marine Research *Yale University*

ALPHABETICAL INDEX BY AUTHOR'S NAME

Alldredge, Alice L.: See Thomas Kiørboe, Jørgen L.S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.

Alongi, Daniel M.: The dynamics of benthic nutrient pools and fluxes in tropical mangrove forests. 123.

Andersen, V.: See I. Dadou, V. Garcon, V. Andersen, G. R. Flierl and C. S. Davis. 311.

Anderson, Roger Y.: See Cynthia H. Pilskaln, Jennifer B. Paduan, Francisco P. Chavez, Roger Y. Anderson and William M. Berelson. 1149.

Berelson, William M., Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln: Biogenic matter diagenesis on the sea floor: A comparison between two continental margin transects. 731.

Berelson, William M.: See Cynthia Pilskaln, Jennifer B. Paduan, Francisco P. Chavez, Roger Y. Anderson and William M. Berelson. 1149.

Bock, Michael J. and Douglas C. Miller: Fluid flow and suspended particulates as determinants of polychaete feeding behavior. 565.

Boudreau, Bernard P.: See Roberta L. Marinelli and Bernard P. Boudreau. 939.

Briggs, Kevin B., Michael D. Richardson and David K. Young: The classification and structure of megafaunal assemblages in the Venezuela Basin, Caribbean Sea. 705.

Bucklin, Ann, Todd C. LaJeunesse, Eva Curry, John Wallinga and Karen Garrison: Molecular diversity of the copepod, *Nannocalanus minor*: Genetic evidence of species and population structure in the North Atlantic Ocean. 285.

Burdige, David: See William M. Berelson, Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731.

Calvert, S. E.: See M.A. Peña, K. L. Denman, J. R. Forbes, S. E. Calvert and R. E. Thomson. 1097.

Cessi, Paola: Grid-scale instability of convective-adjustment schemes. 407.

Chang, Ping: See Xianjin Li, Ping Chang and R. C. Pacanowski. 487.

Chassignet, Eric P.: See Annalisa Griffa, Eric P. Chassignet, Victoria Coles and Donald B. Olson. 653.

Chavez, Francisco P.: See Cynthia H. Pilskaln, Jennifer B. Paduan, Francisco P. Chavez, Roger Y. Anderson and William M. Berelson. 1149.

Chen, Changsheng: See Peter J. S. Franks and Changsheng Chen. 631.

Coale, Kenneth H.: See William M. Berelson, Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731.

Coles, Victoria: See Annalisa Griffa, Eric P. Chassignet, Victoria Coles and Donald B. Olson. 653.

Curry, Eva: See Ann Bucklin, Todd C. LaJeunese, Eva Curry, John Wallinga and Karen Garrison. 285.

Dadou, I., V. Garcon, V. Andersen, G. R. Flierl and C. S. Davis: Impact of the North Equatorial Current meandering on a pelagic ecosystem: A modeling approach. 311.

Dagg, M. J., E. P. Green, B. A. McKee and P. B. Ortner: Biological removal of fine-grained lithogenic particles from a large river plume. 149.

Dam, Hans G.: See Thomas Kiørboe, Jørgen L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.

Davenport, R.: See G. Fischer, B. Donner, V. Ratmeyer, R. Davenport and G. Wefer. 73.

Davis, C. S.: See I. Dadou, V. Garcon, V. Andersen, G. R. Flierl and C. S. Davis. 311.
Denman, K. L.: See M. A. Peña, K. L. Denman, J. R. Forbes, S. E. Calvert and R. E. Thomson. 1097.
de Stigter, Henko S.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder. 1207.
DeYoung, Brad: See Richard J. Greatbatch, Youyu Lu and Brad deYoung. 451.
Donner, B.: See G. Fischer, B. Donner, V. Ratmeyer, R. Davenport and G. Wefer. 73.
Donner, Barbara: See Ute F. Treppke, Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer. 991.
Drapeau, David T.: See Thomas Kiørboe, Jørgen L. S. Hansen, Allice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.
Duncombe-Rae, Christopher: See Silvia Garzoli, Arnold L. Gordon, Dale Pillsbury, Vladimir Kamenkovich and Christopher Duncombe-Rae. 1039.
Edwards, Neil R.: Unsteady similarity solutions and oscillating ocean gyres. 793.
Epping, Eric H. G.: See Caroline P. Slomp, Eric H. G. Epping, Willem Helder and Wim Van Raaphorst. 1179.
Epping, E.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder. 1207.
Ferron, Bruno: See Ann E. Gargett and Bruno Ferron. 827.
Fischer, G., B. Donner, V. Ratmeyer, R. Davenport and G. Wefer: Distinct year-to-year particle flux variations off Cape Blanc during 1988–1991: Relation to $\delta^{18}O$-deduced sea-surface temperature and trade winds. 73.
Fischer, Gerhard: See Ute F. Treppke, Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer. 991.
Fischer, Jürgen: See Lothar Stramma, Jürgen Fischer and Friedrich Schott. 55.
Flierl, G. R.: See I. Dadou, V. Garcon, V. Andersen, G. R. Flierl and C. S. Davis. 311.
Follows, Michael J., Richard G. Williams and John C. Marshall: The solubility pump of carbon in the subtropical gyre of the North Atlantic. 605.
Forbes, J. R.: See M. A. Peña, K. L. Denman, J. R. Forbes, S. E. Calvert and R. E. Thomson. 1097.
Franks, Peter J. S. and Changsheng Chen: Plankton production in tidal fronts: A model of Georges Bank in summer. 631.
Garcia, Carlos M.: See Thomas Kiørboe, Jørgen L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.
Garcon, V.: See I. Dadou, V. Garcon, V. Andersen, G. R. Flierl and C. S. Davis. 311.
Gargett, Ann E. and Bruno Ferron: The effects of differential vertical diffusion of T and S in a box model of thermohaline circulation. 827.
Garrison, Karen: See Ann Bucklin, Todd C. LaJeunesse, Eva Curry, John Wallinga and Karen Garrison. 285.
Garvine, Richard W.: Buoyant discharge on the inner continental shelf: A frontal model. 1.
Garzoli, Silvia L., Arnold L. Gordon, Vladimir Kamenkovich, Dale Pillsbury and Christopher Duncombe-Rae. Variability and sources of the southeastern Atlantic circulation. 1039.
Gerkema, Theo: A unified model for the generation and fission of internal tides in a rotating ocean. 421.
Gordon, Arnold L.: See Silvia Garzoli, Arnold L. Gordon, Vladimir Kamenkovich, Dale Pillsbury and Christopher Duncombe-Rae. 1039.
Gordon, Arnold L.: See Paul J. Marchese and Arnold L. Gordon. 521.
Greatbatch, Richard J., Youyu Lu and Brad deYoung: Application of a barotropic model to North Atlantic synoptic sea level variability. 451.
Green, E. P.: See M. J. Dagg, E. P. Green, B. A. McKee and P. B. Ortner. 149.
Griffa, Annalisa, Eric P. Chassignet, Victoria Coles and Donald B. Olson: Inertial gyre solutions from a primitive equation ocean model. 653.
Hansen, Jørgen L. S.: See Thomas Kiørboe, Jørgen L. S. Hansen, Alice L. Allredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.

Heip, C.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. van Weering, E. Epping and W. Helder. 1207.
Helder, Willem: See Caroline P. Slomp, Eric H. G. Epping, Willem Helder and Wim Van Raaphorst. 1179.
Helder, W.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder. 1207.
Herman, Peter M. J.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder. 1207.
Hill, A. E.: Spin-down and the dynamics of dense pool gyres in shallow seas. 471.
Hogg, Nelson G.: See Huai-Min Zhang and Nelson G. Hogg. 679.
Hood, Simon: New similarity solutions of the thermocline equations with vertical variation of diffusion. 187.
Hood, Simon and Richard G. Williams: On frontal and ventilated models of the main thermocline. 211.
Hoppe, H.-G.: See B. Karrasch, H.-G. Hoppe, S. Ullrich and S. Podeweski. 99.
Hughes, Jeffrey Ellis: Size-dependent, small-scale dispersion of the capitellid polychaete, *Mediomastus ambiseta.* 915.
Huntley, Mark E.: See Meng Zhou and Mark E. Huntley. 1017.
Irlandi, E. A.: The effects of seagrass patch size and energy regime on growth of a suspension-feeding bivalve. 161.
Jackson, George A.: See Thomas Kiørboe, Jørgen L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.
Johnson, Kenneth S.: See William M. Berelson, Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731.
Kamenkovich, Vladimir: See Silvia L. Garzoli, Arnold L. Gordon, Vladimir Kamenkovich, Dale Pillsbury and Christopher Duncombe-Rae. 1039.
Karrasch, B., H.-G. Hoppe, S. Ullrich and S. Podewski: The role of mesoscale hydrography on microbial dynamics in the northeast Atlantic: Results of a spring bloom experiment. 99.
Kilgore, Tammy: See William Berelson, Jim McManus, Kenneth H. Cole, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731.
Kiørboe, Thomas, Jørgen L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia: Sedimentation of phytoplankton during a diatom bloom: Rates and mechanisms. 1123.
LaJeunesse, Todd C.: See Ann Bucklin, Todd C. LaJeunesse, Eva Curry, John Wallinga and Karen Garrison. 285.
Lange, Carina B.: See Ute F. Treppke, Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer. 991.
Li, Xianjin, Ping Chang and R. C. Pacanowski: A wave-induced stirring mechanism in the mid-depth equatorial ocean. 487.
Lu, Youyu: See Richard J. Greatbatch, Youyu Lu and Brad DeYoung. 451.
Ma, Hong: The dynamics of North Brazil Current retroflection eddies. 35.
Ma, Hong: High-frequency baroclinic wave motions in an equatorial ocean current and related temperature fluctuations. 1073.
Malanotte-Rizzoli, Paola: See Lisan Yu and Paola Malanotte-Rizzoli, 867.
Marchese, Paul J. and Arnold L. Gordon: The eastern boundary of the Gulf Stream recirculation. 521.
Marinelli, Robert L. and Bernard P. Boudreau: An experimental and modeling study of pH and related solutes in an irrigated anoxic coastal sediment. 939.
Marshall, John C.: See Michael J. Follows, Richard G. Williams and John C. Marshall. 605.
Martin, William R.: See Robert A. Wheatcroft and William R. Martin. 763.
McKee, B. A.: See M. J. Dagg, E. P. Green, B. A. McKee and P. B. Ortner. 149.
McManus, Jim: See William M. Berelson, Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731.

Middelburg, Jack J.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. van Weering, E. Epping and W. Helder. 1207.
Miller, Douglas C.: See Michael J. Bock and Douglas C. Miller. 565.
Olson, Donald B.: See Annalisa Griffa, Eric P. Chassignet, Victoria Coles and Donald B. Olson. 653.
Ortner, P. B.: See M. J. Dagg, E. P. Green, B. A. McKee and P.B. Ortner. 149.
Pacanowski, R. C.: See Xianjin Li, Ping Chang and R. C. Pacanowski. 487.
Paduan, Jennifer B.: See Cynthia Pilskaln, Jennifer B. Paduan, Francisco P. Chavez, Roger Y. Anderson and William M. Berelson. 1149.
Passow, Uta: See Thomas Kiørboe, Jørgen L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.
Peña, M. A., K. L. Denman, J. R. Forbes, S. E. Calvert and R. E. Thomson: Sinking particle fluxes from the euphotic zone over the continental slope of an eastern boundary current region. 1907.
Pillsbury, Dale: See Silvia L. Garzoli, Arnold L. Gordon, Vladimir Kamenkovich, Dale Pillsbury and Christopher Duncombe-Rae. 1039.
Pilskaln, Cynthia: See William M. Berelson, Jim McManus, Kenneth H. Coale, Kenneth S. Johnson, Tammy Kilgore, David Burdige and Cynthia Pilskaln. 731
Pilskaln, Cynthia H., Jennifer B. Paduan, Francisco P. Chavez, Roger Y. Anderson and William M. Berelson: Carbon export and regeneration in the coastal upwelling system of Monterey Bay, central California. 1149.
Pinot, Jean-Michael, Joaquín Tintoré and Dong-Ping Wang: A study of the omega equation for diagnosing vertical motions at ocean fronts. 239.
Podewski, S.: See B. Karrasch, H.-G. Hoppe, S. Ullrich and S. Podewski. 99.
Ratmeyer, V.: See G. Fischer, B. Donner, V. Ratmeyer, R. Davenport and G. Wefer. 73.
Ratmeyer, Volker and Gerold Wefer: A high resolution camera system (ParCa) for imaging particles in the ocean: System design and results from profiles and a three-month deployment. 589.
Richardson, Michael D.: See Kevin B. Briggs, Michael D. Richardson and David K. Young. 705.
Roden, Eric E. and Jon H. Tuttle: Carbon cycling in mesohaline Chesapeake Bay sediments 2: Kinetics of particulate and dissolved organic carbon turnover. 343.
Ruhland, Götz: See Ute F. Treppke, Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer. 991.
Ruiz, Javier: The role of turbulence in the sedimentation loss of pelagic aggregates form the mixed layer. 385.
Sakamoto, Toshihiro and Toshio Yamagata: Seasonal transport variations of the wind-driven ocean circulation in a two-layer planetary geostrophic model with a continental slope. 261.
Schott, Friedrich: See Lothar Stramma, Jürgen Fischer and Friedrich Schott. 55.
Slomp, Caroline P., Eric H. G. Epping, Willem Helder and Wim Van Raaphorst: A key role for iron-bound phosphorus in authigenic apatite formation in North Atlantic continental platform sediments. 1179.
Soetaert, Karline, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder: Modeling ^{210}Pb-derived mixing activity in ocean margin sediments: Diffusive versus nonlocal mixing. 1207.
Stramma, Lothar, Jürgen Fischer and Friedrich Schott: The flow field off southwest India at 8N during the southwest monsoon of August 1993. 55.
Talley, Lynne D.: See Mizuki Tsuchiya and Lynne D. Talley. 541.
Tanoue, Eiichiro: Characterization of the particulate protein in Pacific surface waters. 967.
Thomson, R. E.: See M. A. Peña, K. L. Denman, J. R. Forbes, S. E. Calvert and R. E. Thomson. 1907.
Tintoré, Joaquín: See Jean-Michael Pinot, Joaquín Tintoré and Dong-Ping Wang. 239.
Treppke, Ute F., Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer: Diatom and silicoflagellate fluxes at the Walvis Ridge: An environment influenced by coastal upwelling in the Benguela system. 991.
Tsuchiya, Mizuki and Lynne D. Talley: Water-property distributions along an eastern Pacific hydrographic section at 135W. 541.
Tuttle, Jon H.: See Eric E. Roden and John H. Tuttle. 343.

Ullrich, S.: See B. Karrasch, H.-G. Hoppe, S. Ullrich and S. Podewski. 99.
Van Raaphorst, Wim: See Caroline P. Slomp, Eric H. G. Epping, Willem Helder and Wim Van Raaphorst. 1179.
Van Weering, Tjeerd C. E.: See Karline Soetaert, Peter M. J. Herman, Jack J. Middelburg, C. Heip, Henko S. de Stigter, Tjeerd C. E. Van Weering, E. Epping and W. Helder. 1207.
Waite, Anya: See Thomas Kiørboe, Jørgen, L. S. Hansen, Alice L. Alldredge, George A. Jackson, Uta Passow, Hans G. Dam, David T. Drapeau, Anya Waite and Carlos M. Garcia. 1123.
Wallinga, John: See Ann Bucklin, Todd C. LaJeunesse, Eva Curry, John Wallinga and Karen Garrison. 285.
Wang, Dong-Ping: See Jean-Michael Pinot, Joaquín Tintoré and Dong-Ping Wang. 239.
Wefer, G.: See G. Fischer, B. Donner, V. Ratmeyer, R. Davenport and G. Wefer. 73.
Wefer, Gerold: See Volker Ratmeyer and Gerold Wefer. 589.
Wefer, Gerold: See Ute F. Treppke, Carina B. Lange, Barbara Donner, Gerhard Fischer, Götz Ruhland and Gerold Wefer. 991.
Wheatcroft, Robert A. and William R. Martin: Spatial variation in short-term (^{234}Th) sediment bioturbation intensity along an organic-carbon gradient. 763.
Williams, Richard G.: See Michael J. Follows, Richard G. Williams and John C. Marshall. 605.
Williams, Richard G.: See Simon Hood and Richard G. Williams. 211.
Yamagata, Toshio: See Toshihiro Sakamoto and Toshio Yamagata. 261.
Young, David K.: See Kevin B. Briggs, Michael D. Richardson and David K. Young. 705.
Yu, Lisan and Paola Malanotte-Rizzoli: Analysis of the North Atlantic climatologies using a combined OGCM/adjoint approach. 867.
Zhang, Huai-Min and Nelson G. Hogg: Deducing dynamic properties from simulated hydrographic data: Part I. Results from a non-eddy resolving model. 679.
Zhou, Meng and Mark E. Huntley: The principle of biological attraction, demonstrated by the bio-continuum theory of zooplankton patch dynamics. 1017.

The Journal of Marine Research is part of the Sears Foundation for Marine Research, founded in 1937 by A. E. Parr as a result of a gift to Yale University by Henry Sears. The Sears Foundation for Marine Research Fund is administered by Yale University as part of its nonprofit operation. Income is used solely for the purpose of publishing and improving the quality of the Journal for the benefit of its readers.

Printed in U.S.A. for the Sears Foundation for Marine Research.
Yale University, New Haven, Connecticut, 06520-8109, U.S.A.
Science Press, Ephrata, Pennsylvania, 17522-0497, U.S.A.